

Table 17. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected events or exposures leading to injuries or illnesses and industry division, 1999

California--private industry

Event	Private industry ³	Goods producing				Service producing				
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Total [184,973 cases]	176.0	210.1	159.3	399.7	164.7	298.7	159.9	187.3	90.1	132.3
Contact with objects and equipment	42.1	67.2	44.2	148.0	52.5	53.7	31.1	48.5	9.7	19.0
Contact with objects and equipment, unspecified	3.2	7.0	--	9.5	2.8	1.7	1.9	5.9	--	1.6
Struck against object	9.1	7.2	13.7	29.7	10.6	11.9	4.3	13.2	4.7	4.1
Struck against object, unspecified	--	--	--	--	--	--	--	1.3	--	--
Stepped on object	--	--	--	2.5	--	--	--	--	1.5	--
Struck against stationary object	6.1	3.6	6.1	22.8	6.2	10.4	4.0	6.7	2.8	3.6
Struck against moving object	1.8	--	7.6	2.3	2.9	--	--	5.1	--	--
Struck against object, n.e.c.	--	--	--	1.5	--	--	--	--	--	--
Struck by object	20.6	30.3	17.9	75.4	22.7	27.3	17.2	23.7	2.9	10.4
Struck by object, unspecified	1.6	--	7.6	7.3	2.1	2.8	--	1.0	--	--
Struck by falling object	6.3	6.6	5.7	16.9	7.1	9.8	6.8	8.2	2.0	3.0
Struck by flying object	1.3	3.4	2.7	7.5	1.6	--	--	1.4	--	--
Struck by flying object, unspecified	--	--	2.7	--	--	--	--	--	--	--
Struck by dislodged flying object, particle	--	--	--	1.6	--	--	--	--	--	--
Struck by discharged object or substance	--	--	--	3.7	--	--	--	--	--	--
Struck by flying object, n.e.c.	--	3.2	--	2.2	--	--	--	1.0	--	--
Struck by swinging or slipping object	6.5	10.1	--	29.5	5.7	6.1	5.4	8.3	--	3.4
Struck by or slammed in swinging door or gate	--	--	--	--	--	1.7	--	1.8	--	--
Struck by slipping handheld object	3.4	--	--	15.9	2.9	2.4	2.4	5.9	--	1.5
Struck by swinging or slipping object, n.e.c.	2.2	8.3	--	12.8	2.2	2.0	2.5	--	--	1.0
Struck by rolling, sliding objects on floor or ground level	--	--	--	--	--	1.9	--	--	--	1.3
Struck by object, n.e.c.	4.0	8.0	--	13.9	5.8	5.8	2.2	4.1	--	1.6
Caught in or compressed by equipment or objects	5.4	14.6	11.2	14.4	10.4	6.3	6.5	3.5	--	1.7
Caught in or compressed by equipment or objects, unspecified	--	--	7.0	1.5	--	1.2	--	--	--	--
Caught in running equipment or machinery	2.0	9.0	--	2.2	6.5	1.7	--	--	--	--
Compressed or pinched by rolling, sliding, or shifting objects	--	2.6	--	2.7	1.7	1.3	--	--	--	--
Caught in or compressed by equipment or objects, n.e.c.	2.1	2.6	3.4	8.0	1.4	2.1	4.4	2.5	--	1.0
Rubbed or abraded by friction or pressure	2.8	7.5	--	15.2	3.9	5.0	--	1.3	--	--
Rubbed or abraded by foreign matter in eye	2.7	7.5	--	15.0	3.6	5.0	--	1.1	--	--
Contact with objects and equipment, n.e.c.	1.0	--	--	3.3	1.9	1.1	--	1.0	--	--
Falls	25.5	31.5	34.4	73.3	18.1	39.8	19.0	31.1	16.6	18.0
Fall, unspecified	--	--	--	2.2	--	--	--	--	--	--
Fall to lower level	8.0	12.8	20.8	49.0	4.6	13.8	9.3	6.1	3.0	2.9
Fall down stairs or steps	1.0	--	3.5	3.3	--	1.1	--	1.7	1.2	--
Fall from floor, dock, or ground level	--	--	--	2.4	--	3.5	2.6	--	--	--
Fall from ground level to lower level	--	--	--	1.4	--	2.4	2.2	--	--	--
Fall from ladder	2.4	6.4	4.7	15.3	1.3	2.1	--	2.8	1.0	--
Fall from roof	--	--	--	12.4	--	--	--	--	--	--
Fall from roof, unspecified	--	--	--	3.3	--	--	--	--	--	--
Fall from roof edge	--	--	--	8.0	--	--	--	--	--	--
Fall from scaffold, staging	--	--	--	10.0	--	--	--	--	--	--
Fall from nonmoving vehicle	1.1	--	9.9	--	--	4.8	4.1	--	--	--
Fall to lower level, n.e.c.	1.4	4.0	--	4.0	1.5	2.0	1.8	--	--	1.0

See footnotes at end of table.

Table 17. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected events or exposures leading to injuries or illnesses and industry division, 1999 -- Continued

California--private industry

Event	Private industry ³	Goods producing				Service producing				
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Jump to lower level	--	--	--	2.6	--	--	--	--	--	--
Fall on same level	15.8	15.2	5.0	19.0	11.8	24.2	8.1	24.1	12.9	13.9
Fall to floor, walkway, or other surface	14.1	12.8	2.7	15.4	10.1	20.8	7.2	21.4	11.9	13.0
Fall onto or against objects	1.7	2.4	2.3	3.7	1.7	2.5	--	2.7	--	--
Fall, n.e.c.	--	--	8.2	--	--	--	--	--	--	1.0
Bodily reaction and exertion	84.2	76.0	68.1	145.2	76.6	150.6	87.8	86.8	45.3	72.3
Bodily reaction and exertion, unspecified	7.2	5.6	--	14.5	7.6	10.2	11.4	8.3	2.6	4.9
Bodily reaction	29.0	36.9	4.0	62.1	24.2	55.0	25.8	30.3	17.1	22.8
Bodily reaction, unspecified	3.3	3.0	--	4.5	2.6	7.6	3.7	2.8	1.9	3.1
Bending, climbing, crawling, reaching, twisting	9.6	3.6	--	26.2	8.8	19.3	8.4	9.0	7.7	7.2
Sitting	--	--	--	--	--	1.2	--	--	1.2	--
Slip, trip, loss of balance--without fall	7.6	8.3	3.5	13.5	4.3	11.0	6.4	12.6	2.4	6.3
Walking--without other incident	--	--	--	1.2	--	--	--	1.3	--	--
Bodily reaction, n.e.c.	6.7	20.1	--	14.8	7.6	15.0	5.6	3.8	3.7	4.4
Overexertion	33.7	22.3	44.6	54.2	29.4	61.0	33.7	38.3	9.4	31.3
Overexertion, unspecified	5.4	--	--	8.0	4.2	11.5	1.6	4.6	--	7.1
Overexertion in lifting	19.6	17.5	18.7	32.2	17.9	35.0	23.9	26.6	5.3	13.9
Overexertion in pulling or pushing objects	4.5	--	3.0	4.7	4.3	8.7	5.3	4.0	1.8	4.7
Overexertion in holding, carrying, turning, or wielding objects	2.4	--	--	4.7	1.6	2.0	1.5	2.0	1.5	3.2
Overexertion, n.e.c.	1.6	--	22.5	4.5	1.0	3.4	--	1.0	--	1.7
Repetitive motion	9.2	7.5	19.2	4.5	11.1	15.0	10.9	6.2	11.0	8.7
Repetitive motion, unspecified	2.0	2.3	--	--	3.6	2.3	2.1	--	2.8	1.9
Typing or keyentry	2.6	--	--	--	1.1	9.2	--	--	6.1	3.6
Repetitive use of tools	--	--	--	2.9	1.2	--	--	--	--	--
Repetitive placing, grasping, or moving objects, except tools	1.7	--	--	--	2.1	1.6	2.9	3.1	--	1.1
Repetitive motion, n.e.c.	2.1	2.3	16.4	--	3.0	1.6	3.4	1.8	1.8	1.8
Bodily conditions, n.e.c.	2.3	--	--	2.7	1.7	3.2	1.4	2.3	2.8	2.7
Bodily reaction and exertion, n.e.c.	2.8	3.3	--	7.2	2.7	6.2	4.7	1.5	2.4	1.8
Exposure to harmful substances or environments	6.9	10.8	9.3	7.8	7.4	9.6	4.8	6.5	1.9	7.1
Contact with temperature extremes	1.8	3.6	6.6	3.4	1.9	--	--	3.1	--	1.4
Exposure to environmental heat	--	--	3.5	--	--	--	--	--	--	--
Contact with hot objects or substances	1.8	2.6	3.1	3.4	1.9	--	--	3.1	--	1.4
Exposure to air pressure changes	--	--	--	--	--	4.9	--	--	--	--
Pressure changes in airplane, other aircraft	--	--	--	--	--	4.9	--	--	--	--
Exposure to caustic, noxious, or allergenic substances	3.7	6.5	--	3.4	4.3	2.9	3.7	2.2	1.5	4.5
Exposure to caustic, noxious, or allergenic substances, unspecified	--	--	--	--	--	--	1.8	--	--	1.1
Inhalation of substance	--	--	--	--	1.2	--	--	--	--	1.4
Inhalation in open or nonconfined space	--	--	--	--	1.0	--	--	--	--	--
Contact with skin or other exposed tissue	1.6	--	--	2.4	2.3	--	1.8	1.7	--	1.4
Injections, stings, venomous bites	--	4.4	--	--	--	1.8	--	--	--	--
Bee, wasp, hornet sting	--	--	--	--	--	1.8	--	--	--	--
Other stings or venomous bites	--	4.4	--	--	--	--	--	--	--	--
Transportation accidents	8.0	6.6	--	7.6	4.3	34.7	10.0	6.0	6.4	6.3
Transportation accident, unspecified	--	--	--	--	--	1.0	--	--	1.6	--
Highway accident	5.2	--	--	3.9	2.4	24.2	6.1	4.2	4.6	4.4
Highway accident, unspecified	--	--	--	--	--	2.1	--	--	--	--
Collision between vehicles, mobile equipment	3.7	--	--	3.8	1.2	14.7	5.6	3.8	4.5	2.7

See footnotes at end of table.

Table 17. Incidence rates¹ for nonfatal occupational injuries and illnesses involving days away from work² per 10,000 full-time workers for selected events or exposures leading to injuries or illnesses and industry division, 1999 -- Continued

California--private industry

Event	Private industry ³	Goods producing				Service producing				
		Agriculture, forestry, and fishing ³	Mining ⁴	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
Collision between vehicles, mobile equipment, unspecified	1.8	--	--	1.9	--	4.3	2.7	2.1	4.0	1.2
Moving in intersection	--	--	--	--	--	3.3	--	--	--	--
Moving and standing vehicle, mobile equipment--in roadway	--	--	--	--	--	6.1	--	--	--	--
Collision between vehicles, mobile equipment, n.e.c.	--	--	--	--	--	--	--	1.2	--	--
Noncollision accident	--	--	--	--	--	7.3	--	--	--	--
Jack-knifed or overturned--no collision	--	--	--	--	--	1.6	--	--	--	--
Noncollision accident, n.e.c.	--	--	--	--	--	5.3	--	--	--	--
Nonhighway accident, except rail, air, water	1.0	3.8	--	1.8	--	1.9	2.9	--	--	--
Noncollision accident	--	3.3	--	1.7	--	1.6	--	--	--	--
Nonhighway accident, n.e.c.	--	--	--	--	--	--	2.2	--	--	--
Pedestrian, nonpassenger struck by vehicle, mobile equipment	1.1	--	--	1.2	--	2.0	--	1.2	--	1.1
Pedestrian struck by vehicle, mobile equipment on side of road	--	--	--	--	--	1.1	--	--	--	--
Aircraft accident	--	--	--	--	--	4.7	--	--	--	--
Aircraft accident, n.e.c.	--	--	--	--	--	4.7	--	--	--	--
Fires and explosions	--	--	--	1.2	--	--	--	--	--	--
Assaults and violent acts	3.7	9.6	--	2.7	--	1.8	--	4.1	2.8	6.1
Assaults and violent acts by person(s)	2.6	--	--	2.2	--	1.0	--	2.6	2.5	5.1
Hitting, kicking, beating	1.3	--	--	2.1	--	--	--	1.3	--	2.7
Assaults and violent acts by person(s), n.e.c.	--	--	--	--	--	--	--	--	2.3	1.1
Assaults by animals	--	9.6	--	--	--	--	--	--	--	--
Nonvenomous bites	--	7.8	--	--	--	--	--	--	--	--
Nonclassifiable	5.3	8.2	2.3	14.0	4.9	8.2	7.0	3.5	7.4	3.4

¹ Incidence rates represent the number of injuries and illnesses per 10,000 full-time workers and were calculated as: (N/EH) x 20,000,000 where

N = number of injuries and illnesses
EH = total hours worked by all employees during calendar year
20,000,000 = base for 10,000 equivalent full-time workers (working 40 hours per week, 50 weeks per year).

² Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

³ Excludes farms with fewer than 11 employees.

⁴ Data conforming to OSHA definitions for mining operators in coal, metal, and nonmetal mining and for employers in railroad transportation are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor; and

by the Federal Railroad Administration, U.S. Department of Transportation. Independent mining contractors are excluded from the coal, metal, and nonmetal industries.

NOTE: Dashes indicate data that are not available or data for incidence rates less than 1.0 per 10,000 full-time workers. Major classifications may include detailed classifications not shown separately.
n.e.c. = not elsewhere classified.

SOURCE: Bureau of Labor Statistics, U.S. Department of Labor, Survey of Occupational Injuries and Illnesses, in cooperation with participating State agencies.